



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090360

Mode: Highway

Status: Submitted

NC-133

From/Cross Street: US 74 (Martin Luther King, Jr. Parkway)

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1002 (Holly Shelter Road)

Project Category: Regional Impact

Length: 7.87

TIP#: U-2724

Fully Funded in Draft STIP? No

Cost to NCDOT: \$111,437,000

Description:

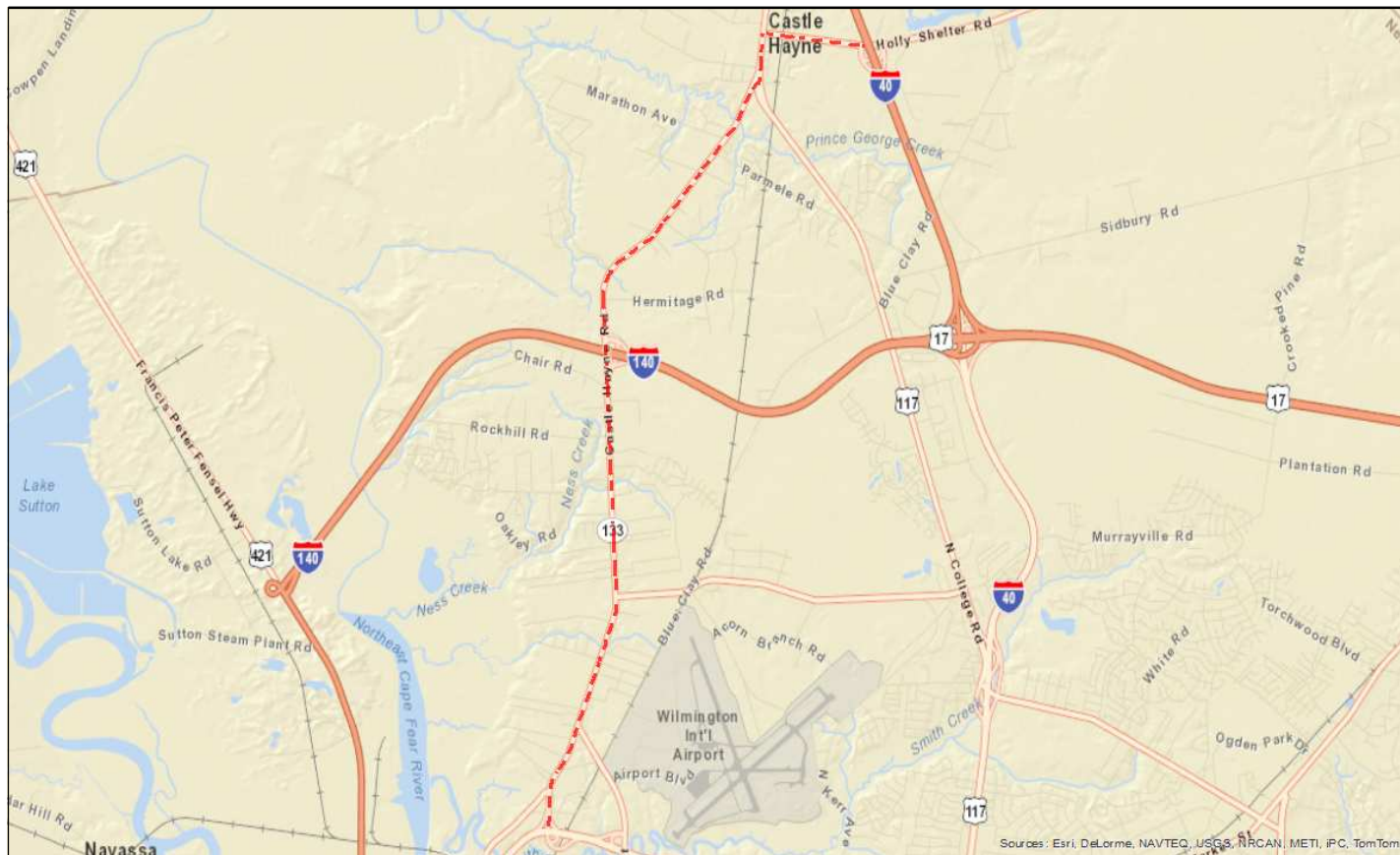
US 74 (Martin Luther King, Jr. Parkway) to SR 1002 (Holly Shelter Road) at Castle Hayne and Along SR 1002 to I-40. Widen to Multi- Lanes.

Division(s): Division 3

County(s): NEW HANOVER

MPOS(s)/RPO(s): Wilmington Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 3.20 Multimodal + [Freight & Military] (25%) 22.70 Safety (25%) 69.19	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 23.61		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 49.09 Safety (20%) 69.19 Multimodal + [Freight & Military] (10%) 22.70	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 25.93		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	48
Length (miles):	7.87
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	11843.8
Capacity:	16022.34
Volume/Capacity Ratio:	0.74
% Autos:	93%
% Trucks:	7%
Truck Volume:	844.28
Crash Density:	83.39
Crash Severity:	61.89
Critical Crash Rate:	62.33
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	78
Actual Congested Speed:	0
Travel Time Index:	0

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	50
Length (miles):	7.87
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	15749869.56
Travel Time Savings for 30 Years (Autos):	14627146.44
Travel Time Savings for 30 Years (Trucks):	1122723.12
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Wilmington Urban Area MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$42,750,000	TIP Unit
Right-of-Way Cost:	\$61,328,000	Cost Estimation Tool
Utilities Cost:	\$7,359,000	Cost Estimation Tool
Total Project Cost:	\$111,437,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$111,437,000	